BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 19.99Lakhs

Name of Woradk:-Improvements to drains and asphalting to main and cross roads in 'A' sector in ward no 04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Removing silt in drains, 10th'A' Cross		2	210.00	0.50	0.40	84.00		
	berm cutting for filling wet mix for damaged portion in 10th A cross		2	210.00	1.00	0.20	84.96		
	road cut portion		1	130.00	1.00	0.30	39.00		
							207.96	**75.60**	**15722.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	Removing B.S slab of drain and stacking	sqm							
	, 10th'A' Cross		2	210.00	1.65		693.00		
		Deduct 30%of Missing slabs qty					207.90		
							485.10	58.32	**28291.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Refixing stone slabs of drains and pointing in CM(1:3)	Sqm							
		Vide Item No. 1					**485.10**	75.60	**36674.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick	sqm							
		30% of Missing slabs qty					207.90	639.36	**132923.00**
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							

	Total	639.36							
5	KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)**	Cum							
	Foundation for flagging course								
	Base concrete:- 10th'A' Cross		2	210.00	0.23	0.10	9.66		
			2	210.00	0.20	0.10	8.40		
	Coping concrete 10th'A' Cross		2	210.00	0.20	0.08	6.30		
			2	210.00	0.10	0.08	3.15		
	Kerb stone base concrete		2	210.00	0.20	0.10	8.40		
							35.91	5327.64	**191316.00**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							
6	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)	Sqm							
	, 10th'A' Cross		2	210.00		0.20	84.00		
							84.00	993.60	**83462.00**
	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Total	**993.60**							

7	KS B 5-15: Providing and constructing Non load bearing wall with cement concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28)	Sqm							
	, 10th'A' Cross		2	210.00		0.20	84.00		
							84.00	724.68	**60873.00**
	Basic Rate	671.00							
	Area Weightage @ 8%	53.68							
	Total	**724.68**							
8	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	7th Cross		2	210.00	0.90		378.00		
							378.00		
				60% of quantity			**226.80**	**1498.00**	**339746.00**
9	Providing and fixing precast solid concrete kerb stones made out of cc1:2:4 and finished with CM 1:3 plastering and finishing cutting etc.,complete asper specifications and directions of the engineer in charge of the work.P.NO25/S.NO5.29.1(PWD SR2014-2015)	**NO,s**							
	(Size450*200*400MM)		2	210.00			420.00		
							420.00		
				50% of quantity			**210.00**		
	Basic rate	331.00					**456.52**	**357.48**	**163197.00**
	Add 8% AW	26.48							
	Total	357.48							

10	KSRB 15-17.5:Applying priming coat over new wood surface and/or wood based surfaces after preparing the surface after throughly cleaning oil,grease,dirt and forign matter,sand papering and knotting liquid wood filler,for varnish including cost of materials,labour,complete as per specificationsP.NO115/15.59)	Sqm							
	Kerb stone painting		2	208.40		0.40	166.72		
							166.72	**33.48**	**5582.00**
	Basic rate	31.00							
	Add 8% AW	2.48							
	Total	33.48							
11	KSRB 15-17.6:Providing and applying painting two coats(excluding proiming coat)on new wood surface and/or wood based surfaces with ename paint to give an even shade,cleaning the surface of all dirt,dust and forign matter,sand papering including as per specifications and directions of the engineer in charge of the work.P.NO115/15.60.1)	Sqm							
	Kerb stone painting	**Quantity vide item no-09**					166.72		
							166.72	**84.24**	**14044.00**
	Basic rate	78.00							
	Add 8% AW	6.24							
	Total	84.24							
12	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	**Cum**							
	Road cut portions		22	6.20	0.75	0.30	30.69		

	depression filling		15	1.80	1.20	0.20	6.48		
			10	10.00	1.00	0.20	20.00		
	road cut portion		1	120.00	1.20	0.25	36.00		
			2	180.00	0.50	0.20	36.00		
	Road cut portion		1	150.00	1.20	0.20	36.00		
							165.17	**1438.56**	**237607.00**
	Basic Rate	1332.00							
	Area Weightage 8%	106.56							
	Total	1438.56							
13	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm							
	, 10th'A' Cross		1	210.00	7.00		1470.00		
	Road cut portion		1	150.00	1.20		180.00		
							1650.00	**35.21**	**58093.00**
	Basic Rate	32.60							
	Area Weightage @ 8%	2.61							
	Total	**35.21**							
16	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rollingwithsmoothwheeled,vibratoryan dtandemrollers to achievethe desired compactionasperMORTHSpecification clauseno508completeinallrespectscomp leteasperspecifications.using100120TH capacity H.M.P with sensor paver gradingl(35-40mm) with 4.5% CRMB55grade(Itemno21.21.1,Pageno1 6 D 2014-15)	Sqm							
	camber correction		6	10.00	1.20	0.035	2.52		
	Road cut portion		1	150.00	1.20	0.035	6.30		

	2nd main		2	200.00	6.00	0.025	60.00		
	Basic rate	9440.00					137.35	10195.20	1400311.00
	Add 8% AW	755.20							
	Total	**10195.20**							
15	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return	Cum							
			Vide Item No. 1				207.96	68.04	14150.00
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
		68.04							
16	Miscellaneous charges	L/S							2855.00
								Total RS	1999000.00
	(Rupees Ten lakhs only)								

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 19.99 Lakh
Nineteen Lakhs & Ninety Nine Thousand
is accorded under head P.1771 2014-15
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. CE/Yel/AA/58/14-15 Dt. 27-10-14

AE/JE TA CE(YNK)

TECHNICALLY SANCTIONED FOR Rs. 19.99 Lakh
Rupees Nineteen Lakhs & Ninety Nine Thousand
Under P. 1771 - 2014-15
Registered as CE ( ) No. .....
Subject to conditions contained in enclosed memo EE ( ) No. .....
Dt. ..... Estimate A/ Sanctioned
EE/YNK/TS/85/14-15 No .....
Dated 28-10-2014 Rs. .....

Executive Engineer